

Appl. No. 10/643,553
Amdt. Dated Nov. 30, 2007
Reply to Office Action Mailed Aug. 31, 2007

RECEIVED
CENTRAL FAX CENTER
NOV 20 2007

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A system for querying reports using a mobile computing device, the system comprising an application server, a database server connected with the application server by a network, and a plurality of mobile terminals connected with the application server by a communication channel, wherein:
the application server comprises a Java Database Connectivity (JDBC) connection manager, a cache manager, and a replication manager, wherein:
the JDBC connection manager is used to preset a JDBC connection, and manage the JDBC connection with the database server;
the cache manager is used to receive and store information sent by the mobile terminals and the database server; and
the replication manager comprises a first data filter module, which is used to filter information added in the database server, and to modify existing information in the database server and the mobile terminals;
each of the mobile terminals comprises an information searching module, and the information searching module further comprises a vehicle orders daily searching sub-module and a distributor orders daily searching sub-module for searching vehicle orders daily information and distributor orders daily information respectively; and

Appl. No. 10/643,553

Amdt. Dated Nov. 30, 2007

Reply to Office Action Mailed Aug. 31, 2007

the database server is used for storing information on clients, vehicles, and distributor orders.

Claim 2 (original): The system for querying reports using a mobile computing device as described in claim 1, wherein each of the mobile terminals further comprises a data storage for storing information downloaded from the application server and input from the mobile terminals.

Claim 3 (original): The system for querying reports using a mobile computing device as described in claim 1, wherein each of the mobile terminals further comprises a link-switching module for switching states of connection as between the mobile terminal and the application server, said states of connection comprising a connected state and a disconnected state.

Claim 4 (original): The system for querying reports using a mobile computing device as described in claim 1, wherein each of the mobile terminals further comprises a data synchronization module for downloading information for synchronization from the application server, and for storing the downloaded information in the data storage.

Claim 5 (original): The system for querying reports using a mobile computing device as described in claim 1, wherein each of the mobile terminals further comprises a second data filter module for filtering modification of data stored in the data storage, said modification performed when the mobile terminal is in the disconnected state, and for sending data thus modified to the data synchronization module.

Claim 6 (currently amended): The system for querying reports using a mobile computing device as described in claim 1, wherein each

J

Appl. No. 10/643,553

Amdt. Dated Nov. 30, 2007

Reply to Office Action Mailed Aug. 31, 2007

of the mobile terminals ~~can be~~ is selected from the group consisting of a personal digital assistant, a laptop computer, [[or]] and a smart phone.

Claim 7 (original): The system for querying reports using a mobile computing device as described in claim 1, wherein each of the mobile terminals further comprises an account setting module for setting dial-up accounts for connections in regions which a user of the mobile terminals routinely visits.

Claim 8 (original): The system for querying reports using a mobile computing device as described in claim 1, wherein the application server further comprises a domain manager for managing domains.

Claim 9 (currently amended): A method for querying reports using a mobile terminal, the method comprising the following steps:

- (a) connecting the mobile terminal with an application server;
- (b) generating a synchronization request according to a detailed demand input by a user, and sending the synchronization request to the application server;
- (c) connecting a database server with a Java Database Connectivity (JDBC) connection, managing the JDBC connection with the database server, and obtaining information needed to meet the synchronization request;
- (d) setting one or more search parameters, generating a search message, and sending the searching message to the mobile terminal, the searching message comprising vehicle orders dally information and distributor orders dally information; and
- (e) generating and displaying search results.

Claim 10 (original): The method for querying reports using a mobile terminal as described in claim 9, wherein said information

Appl. No. 10/643,553

Amdt. Dated Nov. 30, 2007

Reply to Office Action Mailed Aug. 31, 2007

comprises information on any one or more of clients, vehicles and distributor orders.

Claim 11 (original): The method for querying reports using a mobile terminal as described in claim 9, further comprising the step of:
cutting off the connection between the mobile terminal and the application server.

Claim 12 (currently amended) A system for querying reports using a mobile computing device, the system comprising an application server, a database server connected with the application server by a network, and a plurality of mobile terminals connected with the application server by a communication channel, wherein:
the application server comprises a Java Database Connectivity (JDBC) connection manager, a cache manager, and a replication manager, wherein:

the JDBC connection manager is used to preset a JDBC connection, and manage the JDBC connection with the database server.

the cache manager is used to receive and store information sent by the mobile terminals and the database server; and

the replication manager comprises a first data filter module, which is used to filter information added in the database server, and to modify existing information in the database server and the mobile terminals;

each of the mobile terminals comprises an information searching module, and the information searching module further comprises a vehicle orders daily searching sub-module for searching vehicle orders daily information; and

the database server is used for storing information on clients, vehicles, and distributor orders.